

FIG. 1

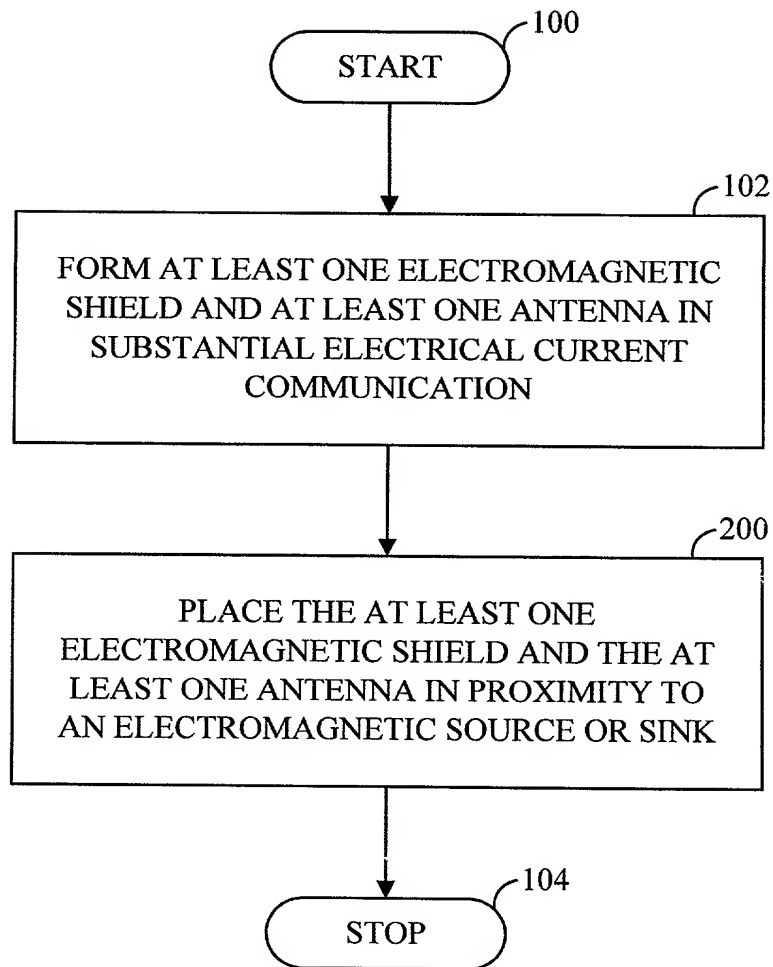


FIG. 2

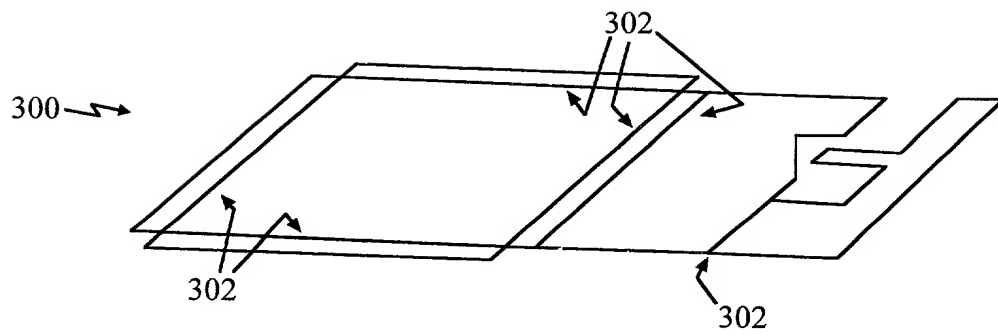


FIG. 3A

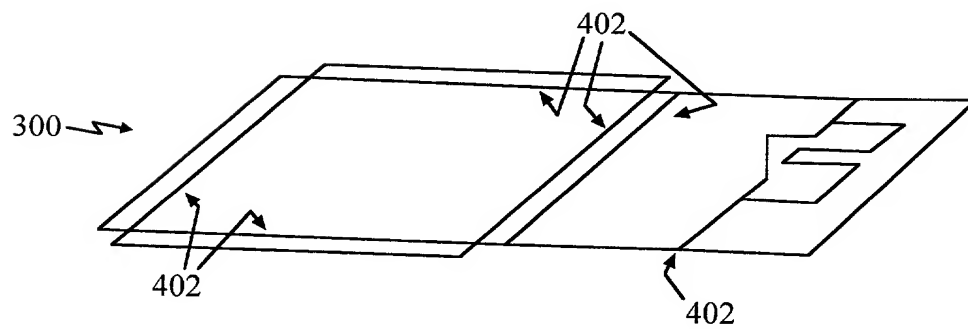


FIG. 4A

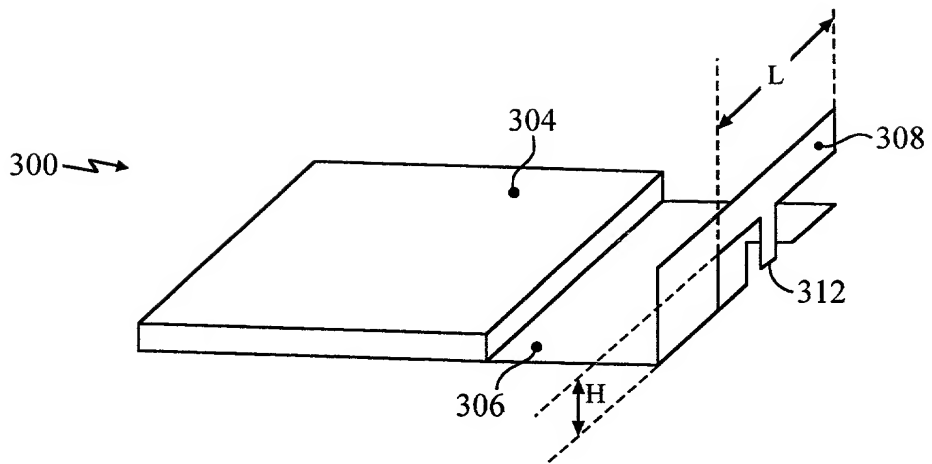


FIG. 3B

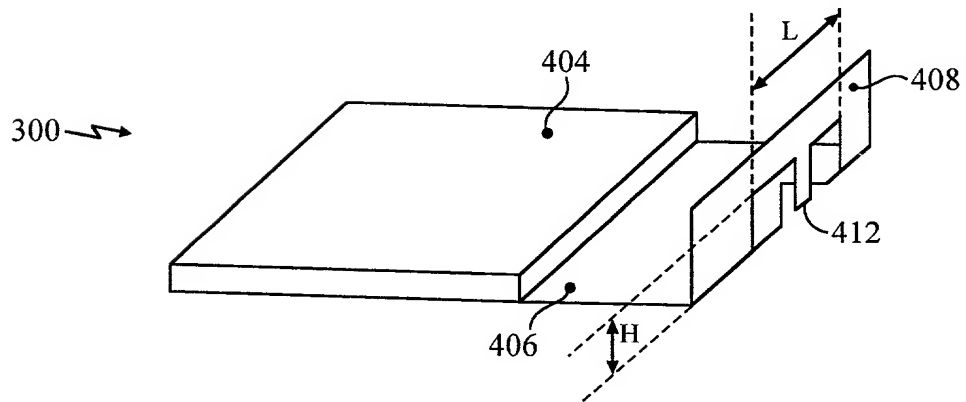


FIG. 4B

FIG. 3C

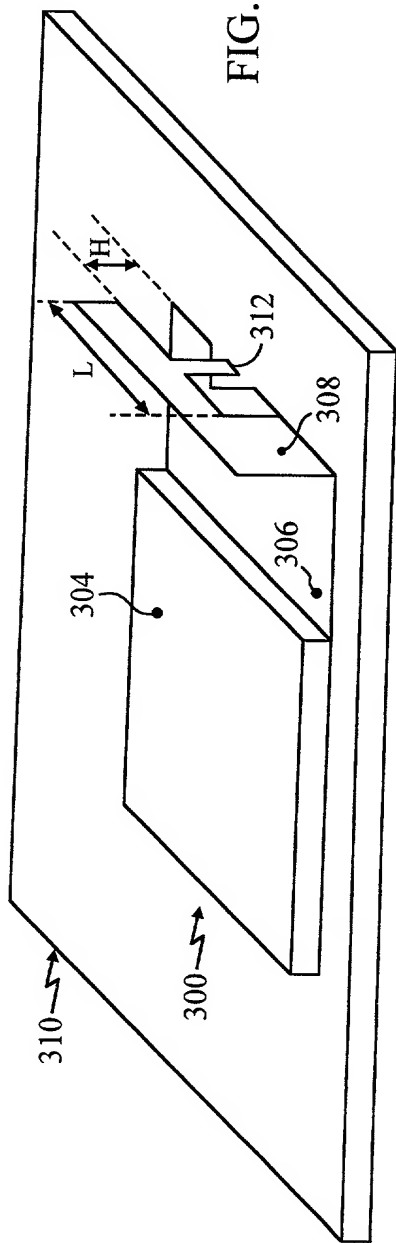
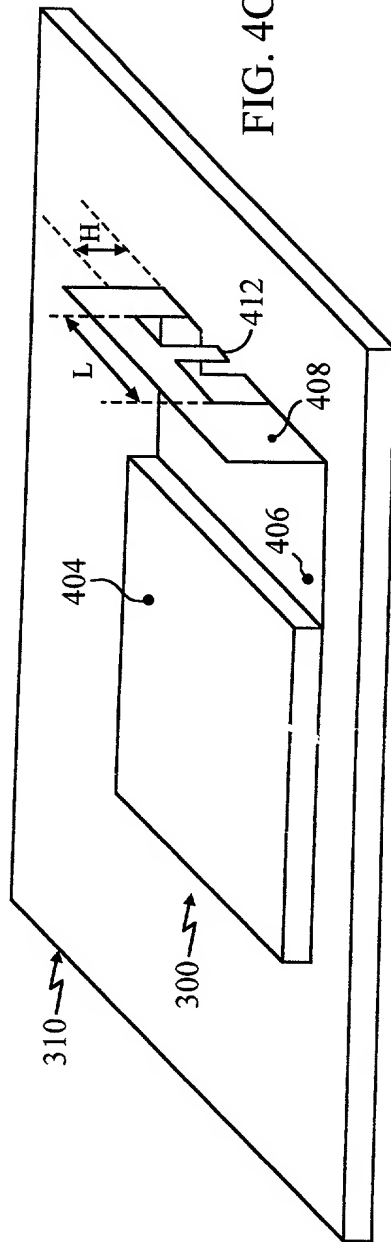
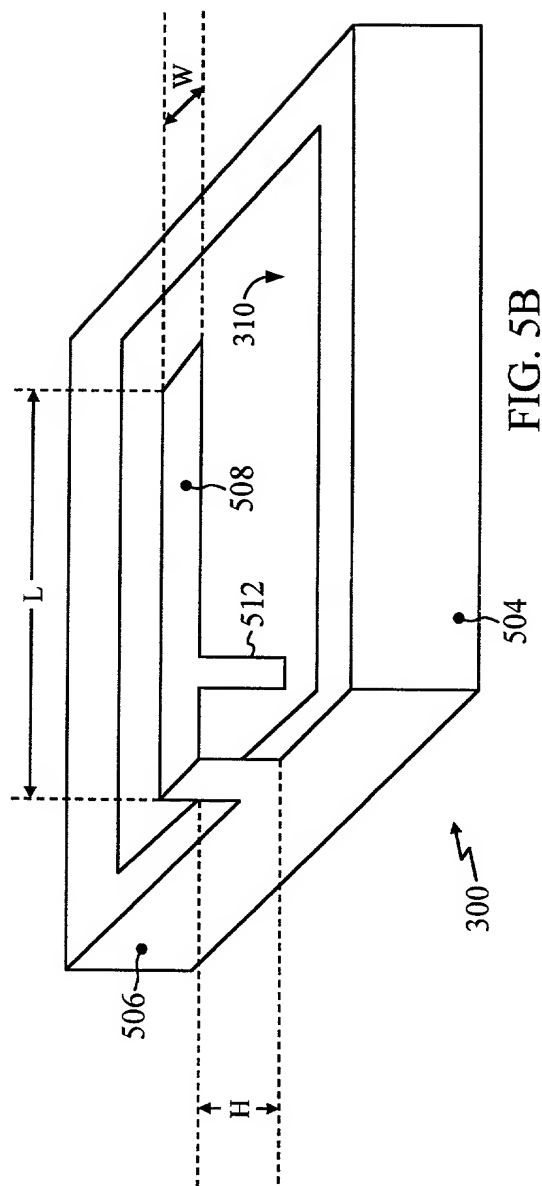
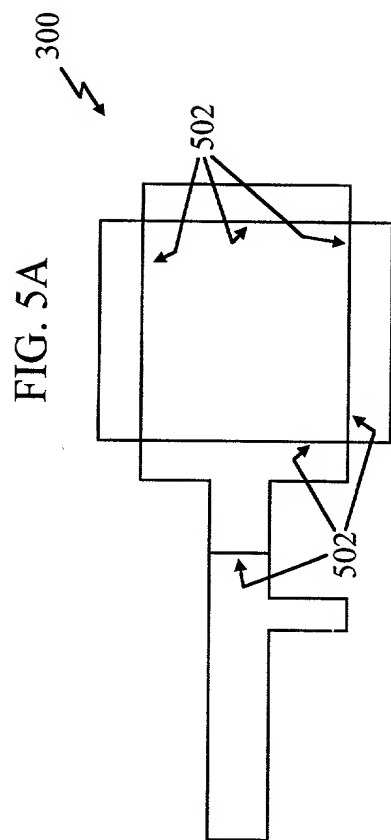


FIG. 4C





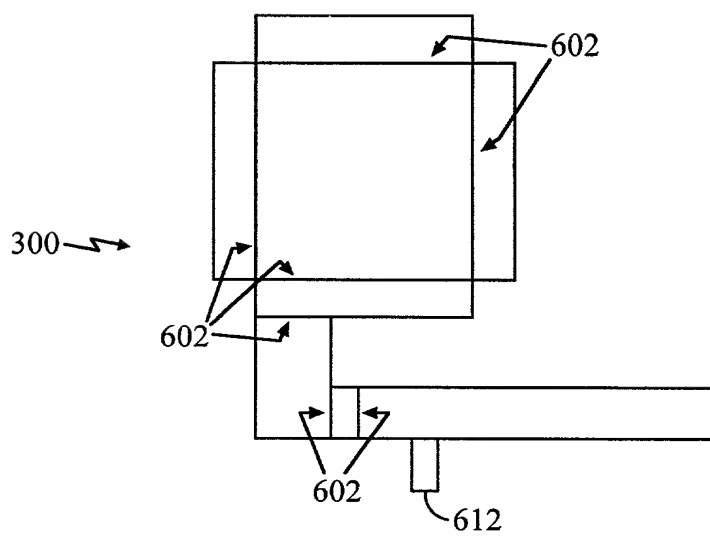


FIG. 6A

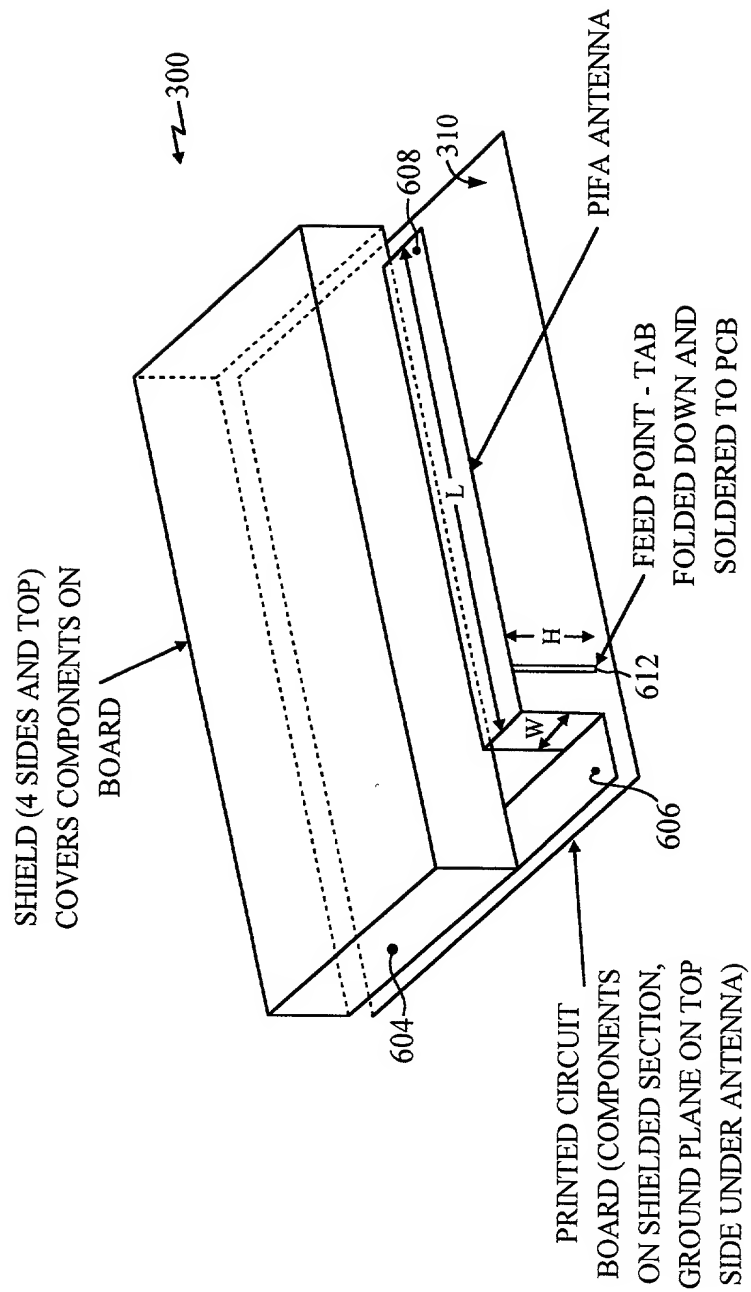


FIG. 6B

CAN (SHIELD)
AND RADIATING
ELEMENT (ANTENNA)
FORMED FROM ON
SUBSTANTIALLY
CONTINUOUS PIECE OF
MATERIAL

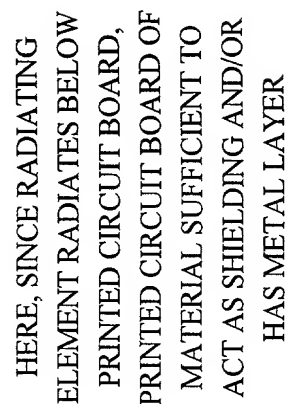
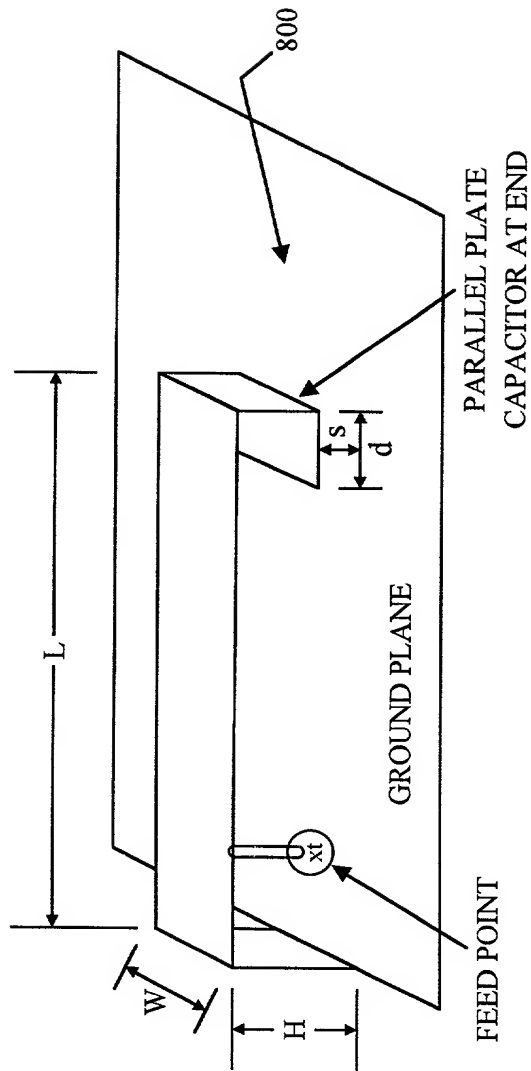


FIG. 7

PIFA WITH INTEGRAL CAPACITOR AT OPEN END



FREQUENCY DETERMINED PRIMARILY BY L AND CAPACITANCE
CAPACITANCE DETERMINED BY AREA $w \times d$ AND HEIGHT ABOVE GROUND s
BANDWIDTH AND EFFICIENCY INFLUENCED BY L , w , AND H

FIG. 8